Message

From: Mendez, Thomas [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5B7406456E0B4A19B3260094840A80AC-TMENDEZ]
Sent: 6/12/2017 8:19:07 PM
To: Beslow, Mike [beslow.mike@epa.gov]
Subject: RE: Iron Guard Usage at ArcelorMittal Central Treatment Plant

So I guess my next question is what is "emulsion breaking" as they define it.

Thomas Mendez
Emergency Response Branch
On Scene Coordinator
U.S. EPA Region 5
77 W Jackson Blvd (SE-5J)
Chicago, Illinois 60604
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From: Beslow, Mike
Sent: Monday, June 12, 2017 3:17 PM
To: Mendez, Thomas <mendez.thomas@epa.gov>; Cullen, Raymond <cullen.raymond@epa.gov>; Whelan, Ann <whelan.ann@epa.gov>; Riley, Ellen <riley.ellen@epa.gov>; Grams, Bradley <grams.bradley@epa.gov>
Cc: Dixit, Naeha <dixit.naeha@epa.gov>; Krueger, Thomas <krueger.thomas@epa.gov>
Subject: Fwd: Iron Guard Usage at ArcelorMittal Central Treatment Plant

Begin forwarded message:

From: "Barnett, Thomas R" <Thomas.Barnett@arcelormittal.com>
Date: June 12, 2017 at 3:03:58 PM CDT
To: "Beslow, Mike" <beslow.mike@epa.gov>
Cc: "Benoit, Simonne T" <Simonne.Benoit@arcelormittal.com>
Subject: Iron Guard Usage at ArcelorMittal Central Treatment Plant

Mike, in response to your questions:

1) Ironguard is being added at the head of the treatment plant, just after the wet well.
2) This is a continuous application. Initial feed is based on a worst case scenario of influent turbidity 40-50 ntu (identified during a two week period of bench testing), at which 5 ppm is required for effective emulsion breaking.
3) We are adding 18 Gallons per day of Ironguard
4) This product is an amphoteric polymer (providing capabilities of reacting chemically as an acid or base) designed to quickly and efficiently break out oil-in-water emulsions, latex emulsions and remove fine TSS particles from wastewater. We currently use this particular product at Indiana Harbor East where oil/water emulsions have been a problem, with excellent success.

Thomas Barnett | Manager, Environmental Technology
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